

FIGURE 1

TGMV Rep, amino acids 110-179:

TLVWGEFQVD GRSARGGCQT SNDAAAEALN ASSKEEALQI IREKIPEKYL FQFHNLSNL DRIFDKTPEP (SEQ ID NO:1)

Ala 1 mutant:

TLVWGEFQVD GAAAAGGCQT SNDAAAEALN ASSKEEALQI IREKIPEKYL FQFHNLSNL DRIFDKTPEP (SEQ ID NO:2)

Ala4 + 5 mutant:

TLVWGEFQVD GRSARGGCQT SNDAAAAAALA ASSAAAALQI IREKIPEKYL FQFHNLSNL DRIFDKTPEP (SEQ ID NO:3)

Ala6 mutant:

TLVWGEFQVD GRSARGGCQT SNDAAAEALN ASSKEEALQI IAAAPEKYL FQFHNLSNL DRIFDKTPEP (SEQ ID NO:4)

Ala7 mutant:

TLVWGEFQVD GRSARGGCQT SNDAAAEALN ASSKEEALQI IREKIPAAAL FQFHNLSNL DRIFDKTPEP (SEQ ID NO:5)

Ala8 mutant:

TLVWGEFQVD GRSARGGCQT SNDAAAEALN ASSKEEALQI IREKIPEKYL FAAALNSNL DRIFDKTPEP (SEQ ID NO:6)

Ala9 mutant:

TLVWGEFQVD GRSARGGCQT SNDAAAEALN ASSKEEALQI IREKIPEKYL FQFHNLSAL AAIFDKTPEP (SEQ ID NO:7)

Ala13 mutant:

TLVWGEAAVD GRSARGGCQT SNDAAAEALN ASSKEEALQI IREKIPEKYL FQFHNLSNL DRIFDKTPEP (SEQ ID NO:8)

Ala14 mutant:

TLVWGEFQVA GRSARGGCQT SNDAAAEALN ASSKEEALQI IREKIPEKYL FQFHNLSNL DRIFDKTPEP (SEQ ID NO:9)

Leu mutant:

TLVWGEFQVD GRSARGGCQT SNDLLEALN ASSKEEALQI IREKIPEKYL FQFHNLSNL DRIFDKTPEP (SEQ ID NO:10)

seq 1 = 10:11-179 in all 4 genes
= 10:11-179 in all 4 genes

Fig. 2A

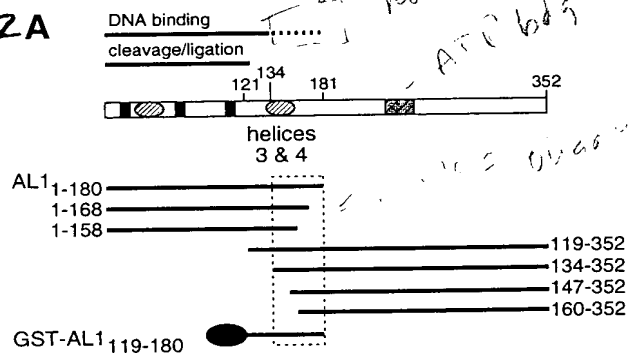


Fig. 2B

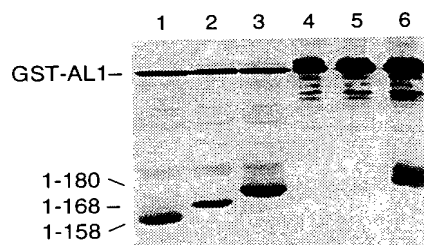


Fig. 2C

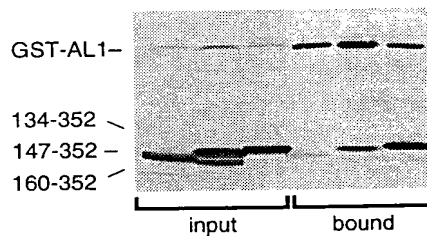


Fig. 2D

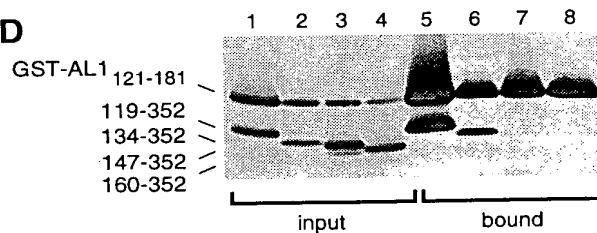
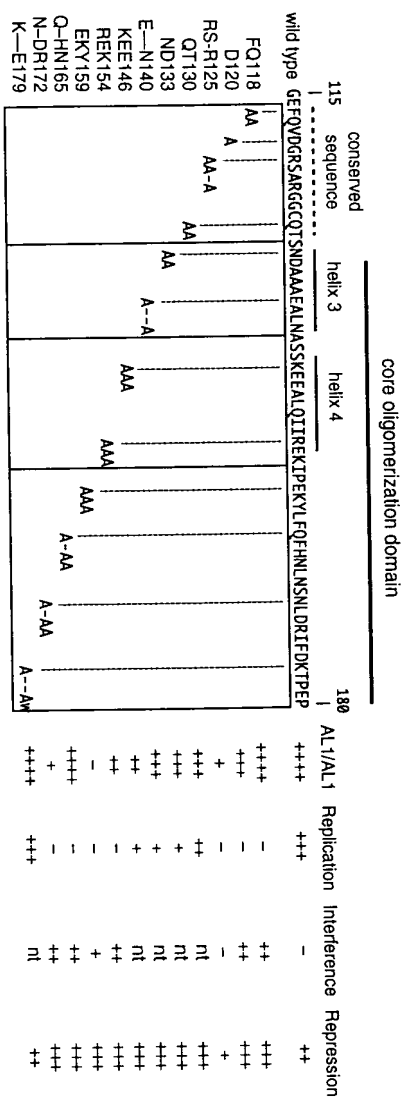


Figure 3



0989346 040099

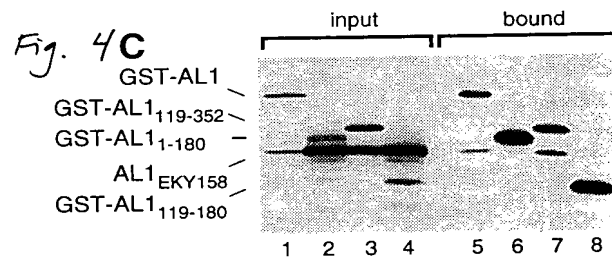
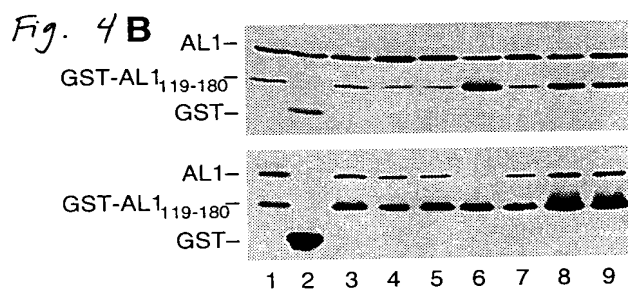
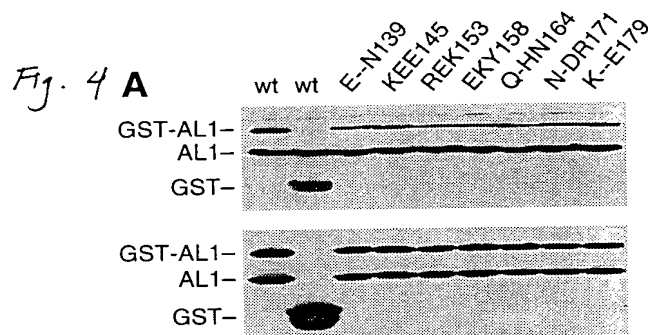


Fig. 5B

AL1/mRb

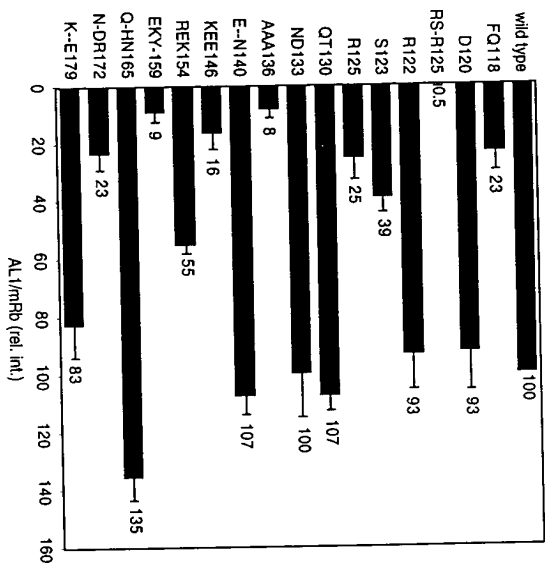


Fig. 6A

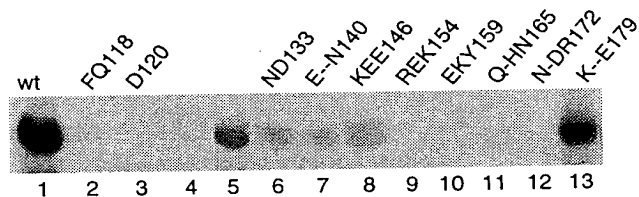


Fig. 6B

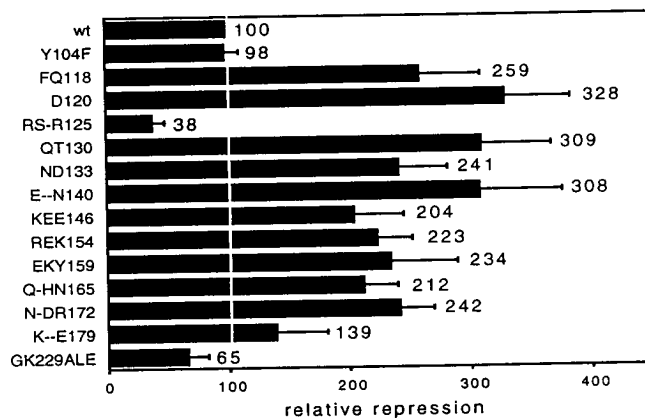


Fig. 7A

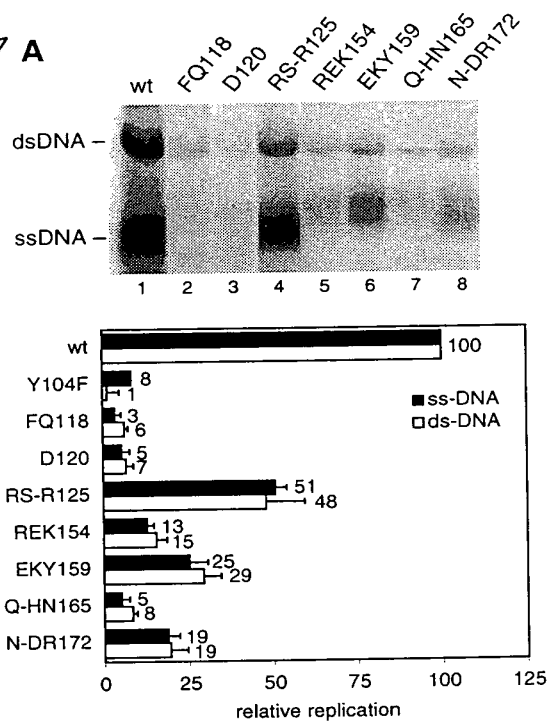


Fig. 7B

